Comparisons of Job Characteristics

Focus Occupation: Printing Machine Operators (51-5023)

Associated Occupation: Prepress Technicians and Workers (51-5022)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 48

Focus Occupation: Printing Machine Operators (51-5023)

Associated Occupation: Prepress Technicians and Workers (51-5022)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation	
Computers and Electronics	8.4	16.3	5.6	<<	Extensive education and/or training may be required	
English Language	11.2	14.1	8.2	<<	Extensive education and/or training may be required	
Communications and Media	5.3	10.8	1.4	<<	Extensive education and/or training may be required	
Design	5.2	7.3	3.1	<<	Extensive education and/or training may be required	

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation:

Focus Occupation: Printing Machine Operators (51-5023)

Associated Occupation: Prepress Technicians and Workers (51-5022)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	8.3	11.1	>> Skill level is likely more than sufficient	
Equipment Maintenance	3.5	5.9	7.7	Skill level is likely sufficient	
Repairing	3.4	5.2	6.2	Skill level is likely sufficient	

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Focus Occupation: Printing Machine Operators (51-5023)
Associated Occupation: Prepress Technicians and Workers (51-5022)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation	
Near Vision	11.1	11.6	12.2	0	Current ability level may be sufficient	
Oral Comprehension	12.5	10.2	10.7	0	Current ability level may be sufficient	
Oral Expression	12.4	9.8	10.5	0	Current ability level may be sufficient	
Problem Sensitivity	11.1	9.7	9.4	0	Current ability level may be sufficient	
Information Ordering	9.9	9.0	9.5	0	Current ability level may be sufficient	
Visualization	7.5	8.6	9.3	0	Current ability level may be sufficient	
Visual Color Discrimination	6.4	7.5	10.5	>>	Current ability level is likely more than sufficient	

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 98

Focus Occupation: Printing Machine Operators (51-5023)

Associated Occupation: Prepress Technicians and Workers (51-5022)

Assure quality control in printing processes 92 Clean equipment or machinery 20 Determine film exposure settings 89 Determine specifications 67 Develop film or other photographic medium 87 Distinguish colors 44 Examine products or work to verify conformance to specifications 99 Identify color or balance 69 Install equipment or attachments on machinery or related structures 48 Load or unload material or workpiece into machinery 48 Maintain consistent production quality 50 Maintain or repair industrial or related equipment/machinery 93 Maintain production or work records 93 Measure, weigh, or count products or materials 93 Monitor production machinery/equipment operation to detect problems 95 Operate graphic reproduction equipment Measure printing equipment/machinery 97 Operate graphic reproduction equipment Measure printing equipment/machinery 98 Operate scanner 98 Measure public reproduction equipment Measure public reproduction machinery/equipment operation to detect problems 97 Operate graphic reproduction equipment 98 Operate scanner 98 Measure public reproduction equipment		
Assure quality control in printing processes 92 Clean equipment or machinery 20 Determine film exposure settings 89 Determine specifications 67 Develop film or other photographic medium 87 Distinguish colors 44 Examine products or work to verify conformance to specifications 99 Identify color or balance 99 Identify color or balance 99 Install equipment or attachments on machinery or related structures 99 Install equipment or attachments on machinery or related structures 99 Maintain consistent production quality 95 Maintain or repair industrial or related equipment/machinery 97 Measure, weigh, or count products or materials 97 Mix paint, ingredients, or chemicals, according to specifications 97 Operate graphic reproduction equipment 98 Operate printing equipment/machinery 98 Operate scanner 98 Page 199 Page 20 Page 2	Work Activities	
Clean equipment or machinery Determine film exposure settings Determine specifications Develop film or other photographic medium Bistinguish colors Examine products or work to verify conformance to specifications Fabricate printing plates Identify color or balance Install equipment or attachments on machinery or related structures Load or unload material or workpiece into machinery Maintain consistent production quality Maintain or repair industrial or related equipment/machinery Maintain production or work records Measure, weigh, or count products or materials Monitor production machinery/equipment operation to detect problems Operate graphic reproduction equipment Operate scanner Section 189 Page	Adjust production equipment/machinery setup	25
Determine film exposure settings 67 Determine specifications 67 Develop film or other photographic medium 87 Distinguish colors 94 Examine products or work to verify conformance to specifications 95 Identify color or balance 96 Install equipment or attachments on machinery or related structures 96 Install equipment or attachments on machinery or related structures 97 Maintain consistent production quality 97 Maintain or repair industrial or related equipment/machinery 97 Maintain production or work records 97 Measure, weigh, or count products or materials 97 Monitor production machinery/equipment operation to detect problems 97 Operate graphic reproduction equipment 98 Operate scanner 98 Betting 98 Betting 99 Identify color or balance 99 Betting 99	Assure quality control in printing processes	92
Determine specifications 67 Develop film or other photographic medium 87 Distinguish colors 44 Examine products or work to verify conformance to specifications 15 Fabricate printing plates 99 Identify color or balance 69 Install equipment or attachments on machinery or related structures 48 Load or unload material or workpiece into machinery 50 Maintain consistent production quality 50 Maintain or repair industrial or related equipment/machinery 93 Maintain production or work records 91 Measure, weigh, or count products or materials 93 Monitor production machinery/equipment operation to detect problems 92 Operate cameras 74 Operate graphic reproduction equipment/ Operate scanner 81 Tevelop 197 Tevelop 297 Ada 44 Ada 44 Ada 57 Ada 77 Ada 77 Ada 78 Ada 78 Ada 79 Ad	Clean equipment or machinery	20
Develop film or other photographic medium Distinguish colors Examine products or work to verify conformance to specifications Fabricate printing plates Install equipment or attachments on machinery or related structures Load or unload material or workpiece into machinery Maintain consistent production quality Maintain or repair industrial or related equipment/machinery Maintain production or work records Measure, weigh, or count products or materials Monitor production machinery/equipment operation to detect problems Operate cameras Operate graphic reproduction equipment/ Operate scanner 87 48 87 44 44 44 44 44 44 44	Determine film exposure settings	89
Distinguish colors 44 Examine products or work to verify conformance to specifications 15 Fabricate printing plates 99 Identify color or balance 69 Install equipment or attachments on machinery or related structures 48 Load or unload material or workpiece into machinery 50 Maintain consistent production quality 50 Maintain or repair industrial or related equipment/machinery 39 Maintain production or work records 19 Measure, weigh, or count products or materials 17 Mix paint, ingredients, or chemicals, according to specifications 35 Monitor production machinery/equipment operation to detect problems 27 Operate cameras 74 Operate graphic reproduction equipment Operate scanner 81	Determine specifications	67
Examine products or work to verify conformance to specifications Fabricate printing plates Identify color or balance Install equipment or attachments on machinery or related structures Load or unload material or workpiece into machinery Maintain consistent production quality Maintain or repair industrial or related equipment/machinery Maintain production or work records Measure, weigh, or count products or materials Monitor production machinery/equipment operation to detect problems Operate graphic reproduction equipment Operate scanner 15 15 15 15 15 16 17 18 18 17 18 18 18 18 19 19 19 19 19 19	Develop film or other photographic medium	87
Fabricate printing plates 99 Identify color or balance 69 Install equipment or attachments on machinery or related structures 48 Load or unload material or workpiece into machinery 50 Maintain consistent production quality 50 Maintain or repair industrial or related equipment/machinery 39 Maintain production or work records 19 Measure, weigh, or count products or materials 17 Mix paint, ingredients, or chemicals, according to specifications 35 Monitor production machinery/equipment operation to detect problems 27 Operate graphic reproduction equipment 98 Operate printing equipment/machinery 84 Operate scanner 81	Distinguish colors	44
Identify color or balance Install equipment or attachments on machinery or related structures Load or unload material or workpiece into machinery Maintain consistent production quality Maintain or repair industrial or related equipment/machinery Maintain production or work records Measure, weigh, or count products or materials Mix paint, ingredients, or chemicals, according to specifications Monitor production machinery/equipment operation to detect problems Operate graphic reproduction equipment Operate printing equipment/machinery Operate scanner Operate scanner Sequences A88	Examine products or work to verify conformance to specifications	15
Install equipment or attachments on machinery or related structures Load or unload material or workpiece into machinery Maintain consistent production quality Maintain or repair industrial or related equipment/machinery Maintain production or work records Measure, weigh, or count products or materials Mix paint, ingredients, or chemicals, according to specifications Monitor production machinery/equipment operation to detect problems Operate cameras Operate graphic reproduction equipment Operate printing equipment/machinery Operate scanner Operate scanner	Fabricate printing plates	99
Load or unload material or workpiece into machinery Maintain consistent production quality Maintain or repair industrial or related equipment/machinery Maintain production or work records Measure, weigh, or count products or materials Mix paint, ingredients, or chemicals, according to specifications Monitor production machinery/equipment operation to detect problems Operate cameras Operate graphic reproduction equipment Operate printing equipment/machinery Operate scanner Operate scanner Stantantian or very lequipment machinery Adaptive the machinery Stantantian or repair industrial or related equipment machinery Adaptive the machinery Stantantian or repair industrial or related equipment machinery Stantantian or repair industrial or related equipment/machinery Stantantian or related equipment/machinery Stantantian or repair industrial or related equipment/machinery Stantantian or related equipment/machi	Identify color or balance	69
Maintain consistent production quality50Maintain or repair industrial or related equipment/machinery39Maintain production or work records19Measure, weigh, or count products or materials17Mix paint, ingredients, or chemicals, according to specifications35Monitor production machinery/equipment operation to detect problems27Operate cameras74Operate graphic reproduction equipment85Operate printing equipment/machinery84Operate scanner81	Install equipment or attachments on machinery or related structures	48
Maintain or repair industrial or related equipment/machinery39Maintain production or work records19Measure, weigh, or count products or materials17Mix paint, ingredients, or chemicals, according to specifications35Monitor production machinery/equipment operation to detect problems27Operate cameras74Operate graphic reproduction equipment85Operate printing equipment/machinery84Operate scanner81	Load or unload material or workpiece into machinery	34
Maintain production or work records19Measure, weigh, or count products or materials17Mix paint, ingredients, or chemicals, according to specifications35Monitor production machinery/equipment operation to detect problems27Operate cameras74Operate graphic reproduction equipment85Operate printing equipment/machinery84Operate scanner81	Maintain consistent production quality	50
Measure, weigh, or count products or materials17Mix paint, ingredients, or chemicals, according to specifications35Monitor production machinery/equipment operation to detect problems27Operate cameras74Operate graphic reproduction equipment85Operate printing equipment/machinery84Operate scanner81	Maintain or repair industrial or related equipment/machinery	39
Mix paint, ingredients, or chemicals, according to specifications Monitor production machinery/equipment operation to detect problems Operate cameras Operate graphic reproduction equipment Operate printing equipment/machinery Operate scanner 81	Maintain production or work records	19
Monitor production machinery/equipment operation to detect problems Operate cameras Operate graphic reproduction equipment Operate printing equipment/machinery Operate scanner 84 Operate scanner	Measure, weigh, or count products or materials	17
Operate cameras 74 Operate graphic reproduction equipment 85 Operate printing equipment/machinery 84 Operate scanner 81	Mix paint, ingredients, or chemicals, according to specifications	35
Operate graphic reproduction equipment 85 Operate printing equipment/machinery 84 Operate scanner 81	Monitor production machinery/equipment operation to detect problems	27
Operate printing equipment/machinery 84 Operate scanner 81	Operate cameras	74
Operate scanner 81	Operate graphic reproduction equipment	85
· ·	Operate printing equipment/machinery	84
Perform safety inspections in manufacturing or industrial setting 33	Operate scanner	81
	Perform safety inspections in manufacturing or industrial setting	33

Process photographic prints	85
Read production layouts	66
Read specifications	23
Read work order, instructions, formulas, or processing charts	9
Set page layout or composition	82
Set up production equipment or machinery	51
Strip negatives	99
Understand technical operating, service or repair manuals	6
Use color analyzer	95
Use densitometer	95
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Printing Machine Operators (51-5023)

Associated Occupation: Prepress Technicians and Workers (51-5022)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.